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Lagrange

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(54) **FLAME RETARDANT COATING**

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See application file for complete search history.

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(57) **ABSTRACT**

A flame retardant coating is disclosed. The flame retardant coating comprises polyurea elastomer, spray processable graphite, a graphite stabilizer agent, and a flame retardant. A method of manufacturing a flame retardant polyurea elastomer coating is also disclosed. A two part polymerizable system is provided comprising a first part containing isocyanates, and a second part containing polyamines. At least one of the first part and the second part contains a flame retardant, and both of spray processable graphite and a graphite stabilizer agent. The first part and the second part are then mixed to form the flame retardant polyurea elastomer coating.

7 Claims, 3 Drawing Sheets